

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/005823

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 H05B41/292

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 828 177 A (ODA GOICHI ET AL) 27 October 1998 (1998-10-27)	1,2
Y	column 3, line 15 – column 4, line 39; figures 1,10-12,14 column 8, line 12 – column 10, line 20 column 11, line 59 – column 12, line 67 -----	3,4,7,8, 10
Y	EP 1 185 149 A (MITSUBISHI ELECTRIC CORP) 6 March 2002 (2002-03-06) abstract; figures 1-3,5-8 paragraph '0011! – paragraph '0041! paragraph '0054!	3,10
Y	US 6 002 215 A (TODA ATSUSHI ET AL) 14 December 1999 (1999-12-14) column 3, line 35 – column 6, line 38; figures 1-4 ----- -/-	4,7,8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*E\* earlier document but published on or after the international filing date
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

1 September 2004

Date of mailing of the international search report

04/10/2004

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/101183 A1 (BENS PETRUS WILHELMUS FRANSISC ET AL) 1 August 2002 (2002-08-01) paragraph '0009! - paragraph '0014! paragraph '0023! - paragraph '0030!; figures 1-4 -----	7,8

## INTERNATIONAL SEARCH REPORT

Information on patent family members

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EP 1185149	A 06-03-2002	EP US WO	1185149 A1 6452345 B1 0120952 A1	06-03-2002 17-09-2002 22-03-2001
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